Event

MPTS IJET
NFM 4201
T-45

Mission

NIGHT FAMILIARIZATION SOLO
1.3 HOURS/X

ORM

NFM 4201

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
  - **CREW REST/ CREW DAY / WORK WEEK**
  - **WARM-UP ELIGIBILITY**
  - **PREVIOUS FLIGHT COMPLETE?**
  - **IP CURRENCY**
  - **READ AND INITIAL**

- **HUMAN FACTORS**
  - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
  - **MEDICAL STATUS**
    - **CREW DAY**
    - **CREW REST**
    - **NOURISHMENT**
    - **HYDRATION**

- **HAZARDS AND CONTROLS**
  - **ROUTINE**
  - **WEATHER**
    - **CURRENT OBSERVATIONS AND FORECASTS**
    - **CROSSWINDS**
    - **FUEL CONSIDERATIONS**

TTO

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- **WHO WILL CALL A TTO?**

- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
  - **SAFETY**
  - **CONFUSION**
  - **MISUNDERSTANDING**

- **IP RESPONSIBILITIES**
  - **RECOGNIZE THE NEED FOR A TTO**
  - **EXPLANATION / INSTRUCTION AS NECESSARY**
  - **DOCUMENTATION ON ATF**

- **WHEN AND HOW WILL TRAINING RESUME?**

SSR/DISCUSS ITEMS

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- **SPECIAL SYLLABUS REQUIRMENTS:**
  - **NONE**

- **PREREQUISITES:**
  - **NFM 4102**

- **DISCUSS ITEMS:**

  NFM 4101 – 4102
  - **NATOPS/SOP/EP QOD**
  - **SOLO BRIEF**
  - **WAYPOINT NAVIGATION**

SYLLABUS NOTES

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A. EVENTS SHALL TAKE OFF NO EARLIER THAN 30 MINUTES AFTER OFFICIAL SUNSET.

B. ALL MANEUVERS EXCEPT LANDINGS WILL BE GRADED BY THE CHASE PILOT.

C. A MINIMUM OF SIX LANDINGS ARE REQUIRED FOR COMPLETION.

ADMIN (CARD)

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- **A/C – ATC C/S – CREW**
- **BRIEF / WALK / TAKEOFF / LAND TIMES**
- **ATC CLEARANCE / DD-175**
- **FUEL PLAN/LADDER**
- **LINE / T/O / ABORT / RPM**
- **COMM PLAN**
- **NAV PLAN/NIGHT ROUTE SURVEY**

ADMIN

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- **LAUNCH**
  - **WEATHER / NOTAMS / TFR / BASH**
  - **PREFLIGHT / START / TAXI**
  - **ENROUTE PROCEDURES**
  - **RADALT USAGE**

- **RTB**
  - **RECOVERY**
  - **DIVERTS**

CONDUCT

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- **TIMS RESUME REVIEW**

- **PRACTICE:**
  - **CHECKLISTS/COMM/GROUND OPS**
  - **TAKEOFF/DEPARTURE/FLIGHT ADMIN**
  - **TAKEOFF**
  - **DEPARTURE**
  - **COURSE RULES**
  - **VISUAL NAVIGATION**
  - **DEAD RECKONING**
  - **DESCENT/FIELD ENTRY**

CONDUCT

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- **PRACTICE CONTINUED:**
  - **VFR LANDING PATTERN**
  - **FIELD CARRIER LANDING**
  - **CROSSWIND LANDINGS**
  - **WAVEOFF**
  - **FULL-STOP LANDING**

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BLOCK MIF

CTS REF	MANEUVER	NFM4201
1	General Knowledge/Procedures	4+
2	Emergency Procedures	3
3	Headwork/Situational Awareness	3+
4	Basic Airwork	4+
5	Mission Planning/Briefing/ Debriefing	4+
6	Communications	4+
7	Ground Operations	1
8	Flight Admin	4+
10	Takeoff	1
11	Departure	1
8	Course Rules	4+
14	Visual Navigation	4+
14	Dead Reckoning	4+
13	Descent/Field Entry	4+
22	VFR Landing Pattern	1
23	Field Carrier Landing	1
23	Crosswind Landings	1
52 24	Waveoff	1
23	Full-Stop Landing	1

Emergencies

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- **AIRCRAFT FALLOUT**
- **CLEAR ENGINE PROCEDURE**
- **ABORTED TAKEOFF**
- **RWY DEP / LOSS OF DIRECTIONAL CONTROL**
- **SYSTEM FAILURES/ EPs / CRM**
- **BIRD STRIKE/ MIDAIR**
- **RADIO/ ICS FAILURE**
- **LOSS OF NAVAIDS / LOST PLANE**
- **INADVERTENT IMC / LOST SIGHT / LCLS**
- **DISORIENTATION / VERTIGO**
- **HYPOXIA**
- **EJECTION (HIGH / LOW / GROUND)**
- **SAR / ON SCENE COMMANDER**
- **DIVERT(S) / BINGO FUEL TO DIVERT**

STANDARD DEBRIEFING FORMAT

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- THE FLIGHT LEAD OR PILOT-IN-COMMAND IS RESPONSIBLE FOR ENSURING ALL FLIGHT OR CREWMEMBERS ARE THOUROUGHLY DEBRIEFED ON THE CONDUCT OF THE MISSION UTILIZING THE "S-P-B-E-MS-LL" FORMAT OUTLINED BELOW.

I. SAFETY
II. PLANNING
III. BRIEF
IV. EXECUTION
V. MISSION SUCCESS
VI. LESSONS LEARNED